

PTO/SB/08A (08-03)

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Substitute for form 1449/PTO

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

**(Use as many sheets as necessary)**

Sheet	1	of	2
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**Complete if Known**

Application Number	10/618,462
Filing Date	07/11/2003
First Named Inventor	Guangming Yin
Art Unit	2817
Examiner Name	Patricia T. Nguyen
Attorney Docket Number	BP1817CON1

## U. S. PATENT DOCUMENTS

[illegible]

**FOREIGN PATENT DOCUMENTS**

[illegible]

Examiner Signature	Patricia Nguyen	Date Considered	5/24/05
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Substitute for form 1449.PTO		<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)		Application Number	10/618,462
		Filing Date	07/11/2003
		First Named Inventor	Guangming Yin
		Art Unit	2817
		Examiner Name	Patricia T. Nguyen
Sheet 2 of 2	Attorney Docket Number	BP1817CON1	

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
PN		LEUNG D L C ET AL: "A 3-V CMOS differential bandpass amplifier for GSM receivers" CIRCUITS AND SYSTEMS, 1998. ISCAS '98. PROCEEDINGS OF THE 1998 IEEE INTERNATIONAL SYMPOSIUM ON MONTEREY, CA. USA 31 MAY-3 JUNE 1998. NEW YORK, NY, USA, IEEE, US, 31 MAY 1998 (1998-05-31), pages 341-344, XPO10289447 ISBN: 0-7803-4455-3 *figure 5*	
		QIANG LI ET AL INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS: "RF circuit performance degradation due to soft breakdown and hot carrier effect in 0.18 $\mu$ m CMOS technology" 2001 IEEE RADIO FREQUENCY INTEGRATED CIRCUITS (RFIC) SYMPOSIUM. DIGEST OF PAPERS. PHOENIX, AZ, MAY 20 - 22 2001. IEEE RADIO FREQUENCY INTEGRATED CIRCUITS SYMPOSIUM, NEW YORK, NY. IEEE, US, 20 May 2001 (2001-05-20) pages 139-142, XPO10951339 ISBN: 0-7803-6601-8 *figure 3*	
		RAZAVI B ED-INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS: "Prospects Of CMOS Technology For High-Speed Optical Communication Circuits" GaAs IC symposium, 23rd. Annual IEEE Gallium Arsenide Integrated Circuit Symposium, Technical digest 2001. BALTIMORE, MD, OCT. 21-24, 2001, GaAs IC SYMPOSIUM-IEEE GALLIUM ARSENIDE INTEGRATED CIRCUIT SYMPOSIUM, NEW YORK, NY IEEE, US, 21 October 2001 (2001-10-21), pages 3-6, XPO01046946 ISBN: 0-7803-6663-8 *figures 6a,7	
PN		LI Q ET AL: "RF Circuit Performance Degradation Due to Soft Breakdown and Hot-Carrier Effect in Deep-Submicrometer CMOS Technology" IEEE Transactions on Microwave Theory and Techniques, IEEE Inc. New York, US, vol. 49, no. 9, September 2001 (2001-09), pages 1546-1551, XPO01096604 ISSN: 0018-9480 *figure 9*	

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First Named Inventor	Guangming Yin
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Examiner Name	Patricia T. Nguyen
Attorney Docket Number	BP1817CON1

## U. S. PATENT DOCUMENTS

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		Number-Kind Code <sup>2</sup> (if known)			
PN		US- 4,449,248	5-15-1984	Leslie et al	
		US- 4,519,068	05-21-1985	Krebs et al	
		US- 4,545,023	10-01-1985	Mizzi	
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		US- 4,794,649	12-27-1988	Fujiwara	
		US- 4,804,954	02-14-1989	Macnak et al	
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		US- 4,916,441	04-10-1990	Gombrich	
		US- 4,964,121	10-16-1990	Moore	
		US- 4,969,206	11-06-1990	Desrochers	
PN		US- 4,977,611	12-11-1990	Maru	

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Examiner Signature Patricia Nguyen

Date Considered	5/24/05
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		Filing Date	07/11/2003
		First Named Inventor	Guangming Yin
		Art Unit	2817
		Examiner Name	Patricia T. Nguyen
		Attorney Docket Number	BP1817CON1
Sheet 3	of 8		

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PN		US- 5,153,878	10-06-1992	Krebs	
		US- 5,175,870	12-29-1992	Mabey et al	
		US- 5,179,721	01-12-1993	Comroe et al	
		US- 5,181,200	01-19-1993	Harrison	
		US- 5,230,084	07-20-1993	Nguyen	
		US- 5,239,662	08-24-1993	Danielson et al	
		US- 5,241,542	08-31-1993	Natarajan et al	
		US- 5,241,691	08-31-1993	Owen	
		US- 5,249,220	09-28-1993	Moskowitz et al	
		US- 5,249,302	09-28-1993	Metroka et al	
		US- 5,265,238	11-23-1993	Canova, Jr. et al	
		US- 5,265,270	11-23-1993	Stengel et al	
		US- 5,274,666	12-28-1993	Dowdell et al	
		US- 5,276,680	01-04-1994	Messenger	
		US- 5,278,831	01-11-1994	Mabey et al	
		US- 5,289,469	02-22-1994	Tanaka	
		US- 5,291,516	03-01-1994	Dixon et al	
		US- 5,293,639	03-08-1994	Wilson et al	
PN		US- 5,296,849	03-22-1994	Ide	

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Examiner Signature	Patricia Nguyen	Date Considered	5/24/05
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		Filing Date	07/11/2003
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		Art Unit	2817
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Sheet 4 of 8	Attorney Docket Number	BP1817CON1	

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PN		US- 5,297,144	03-22-1994	Gilbert et al	
		US- 5,323,392	06-21-1994	Ishii et al	
		US- 5,331,509	07-19-1994	Kikinis	
		US- 5,349,649	09-20-1994	Iijima	
		US- 5,361,397	11-01-1994	Wright	
		US- 5,363,121	11-08-1994	Freund	
		US- 5,373,149	12-13-1994	Rasmussen	
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		US- 5,390,206	02-14-1995	Rein et al	
		US- 5,392,023	02-21-1995	D'Avello et al	
		US- 5,406,615	04-11-1995	Miller, II et al	
		US- 5,406,643	04-11-1995	Burke et al	
		US- 5,418,837	05-23-1995	Johansson et al	
		US- 5,423,002	06-06-1995	Hart	
		US- 5,426,637	06-20-1995	Derby et al	
		US- 5,428,636	06-27-1995	Meier	
PN		US- 5,430,845	07-04-1995	Rimmer et al	
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		US- 5,440,560	11-07-1995	Rypinski	

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**INFORMATION DISCLOSURE  
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**Complete if Known**Sheet 5 of 8

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Art Unit	2817
Examiner Name	Patricia T. Nguyen
Attorney Docket Number	BP1817CON1

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PN		US- 5,465,081	11-07-1995	Todd	
		US- 5,481,265	01-02-1996	Russell	
		US- 5,481,562	01-02-1996	Pearson et al	
		US- 5,533,029	07-02-1996	Gardner	
		US- 5,535,373	07-09-1996	Oinowich	
		US- 5,544,222	08-06-1996	Robinson et al	
		US- 5,579,487	11-26-1996	Meyerson et al	
		US- 5,584,048	12-10-1996	Wieczorek	
		US- 5,628,055	05-06-1997	Stein	
		US- 5,630,061	05-13-1997	Richter et al	
		US- 5,680,633	10-21-1997	Koenck et al	
		US- 5,732,346	03-24-1998	Lazaridis et al	
		US- 5,740,366	04-14-1998	Mahany et al	
		US- 5,744,366	04-28-1998	Kricka et al	
		US- 5,796,727	08-18-1998	Harrison et al	
		US- 5,839,051	11-17-1998	Grimmett et al	
		US- 5,940,771	08-17-1999	Gollnick et al	
		US- 6,014,705	01-11-2000	Koenck et al	
PN		US- 6,374,311	04-16-2002	Mahany et al	

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Sheet 7	of 8	Attorney Docket Number	BP1817CON1

NON PATENT LITERATURE DOCUMENTS			
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PN		Bida, A Hybrid Wireless MAC Protocol Supporting Asynchronous and Synchronous MSDU Delivery Services, IEEE 802.11/91-92, September 1991, pages 1-46	
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		Hoberecht, A Layered network Protocol for Packet Voice and Data Integration, IEEE Journal on Selected Areas in Communications, Vol. SAC-1, No. 6 (Dec. 1983), pages 1006-1013	
		Rypinski, Architecture-Topology and Protocol Stacks, IEEE 802.11/91-21, March 1991, 12 pages	
		Cheah, A Proposed Architecture and Access Protocol Outline for the IEEE 802.11 Radio LAN Standards, Document IEEE P802.11/91-54, May 1991; pages 1-20	
		Rypinski, Power-Drain Considerations for Full Time and Sleep Mode Radio Receivers, IEEE P802.11/91-99, September 1991, 11 pages	
		Natarajan et al, Battery Efficient Operation of Radio MAC Protocol, IEEE P802.11/91-102, September 1991, pages 1-5	
		Cox, A Radio System Proposal for Widespread Low-Power Tetherless Communications, IEEE Transactions on Communications, Vol. 39, No. 2 (February 1991), pages 324-335	
		Bagby, One Approach to Wireless Network Architecture, IEEE P802.11/91-2, January 1991, 1-15, 17-21	
PN		Biba, A Modest Proposal for a Asynchronous, Data Intensive, Wireless Local Area Network, IEEE P802.11/91-25, March 1991; pages 1-25	

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		Application Number	10/618,462
		Filing Date	07/11/2003
		First Named Inventor	Guangming Yin
		Art Unit	2817
		Examiner Name	Patricia T. Nguyen
Sheet 8	of 8	Attorney Docket Number	BP1817CON1

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
PN		Heimschi et al; Merged CMOS/Bipolar Current Switch Logic (MCSL), IEEE Journal of Solid State Circuits, Vol.24, pp. 1307-11, October 1989, page 1307-1311	
PN		Elrabaa et al; Optimization of Digital BiCMOS Circuits, An Overview, IEEE 1992, 5 pages	
PN		Mudd et al, Very High Speed ECL/CMG Gate Arrays with Submicron Structures; IEEE 1989, 5 pages	

Examiner Signature	<i>Patricia Nguyen</i>	Date Considered	5/24/05
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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